RS-422/485 PCI CARD

USER MANUAL

IC-422P
IC-424P
IC-428P

Read this guide thoroughly and follow the installation and operation procedures carefully in order to prevent any damage to the units and/or any devices that connect to them.

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2003-12-10

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna;
- Increase the separation between the equipment and receiver;
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected;
- Consult the dealer or an experienced radio/television technician for help.

FC CE

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Limited Warranty

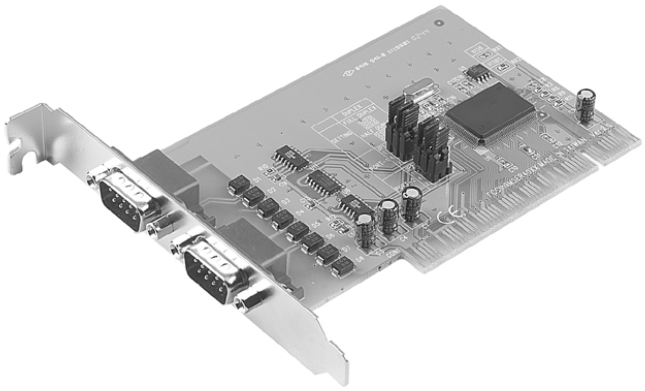
IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, DISK, OR ITS DOCUMENTATION.

The direct vendor makes no warranty or representation, expressed, implied, or statutory with respect to the contents or use of this documentation, and especially disclaims its quality, performance, merchantability, or fitness for any particular purpose.

The direct vendor also reserves the right to revise or update the device or documentation without obligation to notify any individual or entity of such revisions, or update. For further inquiries, please contact your direct vendor.

Notes:

IC-422P
2 Port RS-422/485 PCI card with Surge Protection



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Packing Checklist

This package contains:

- 1 IC-422P 2 Port PCI Card
- 1 Hardware Guide and Software Driver on CDROM
- 1 User Manual

Overview

The IC-422P is a 2 port RS-422/485 serial PCI card providing two 9 pin male connectors for the attachment of standard serial interface peripheral units. Each port comes equipped with bidirectional surge protection up to 1500V or 600 Watts and carries 32 Bytes of FIFO storage capacity, attaining speeds of up to 960 Kbps. The IC-422P is plug and play enabled and will support Win 3.1, 95, 98, NT, 2000, XP, DOS and Linux operating systems.

Hardware Installation

1. Power off your computer.
2. Plug the card into any available PCI bus slot.
3. Connect your peripherals (printer, modem, scanner, etc.) to the card's serial ports.
4. Power on your computer.

PIN Assignments

Full Duplex (4 Wire)

Pin	Assignment
TX+	7
TX-	4
RX+	5
RX-	3
Signal Gnd	2

Half Duplex (2 Wire)

Pin	Assignment
TX/RX+	7
TX/RX-	4
Signal Gnd	2

Jumper Assignments

	DUPLEX
SETTING	Full Duplex Half Duplex
PORT-1	
PORT-2	

Technical Specifications

Function	Specification
Compatibility	486/586/Pentium/Pentium II/III
Connectors	2 x 9 pin male
Operating System	Win 3.1/95/98/NT/2000, Linux and DOS
PCB	2 Layer / 120 x 70 mm
Chip	1 x Sun 1889

Troubleshooting

Problem	Solution
Computer returns an error when booting up	Try a different slot.
	Clean the slot contacts.
	Clean the card contacts.

If these don't remedy the problem, contact your dealer for further assistance.

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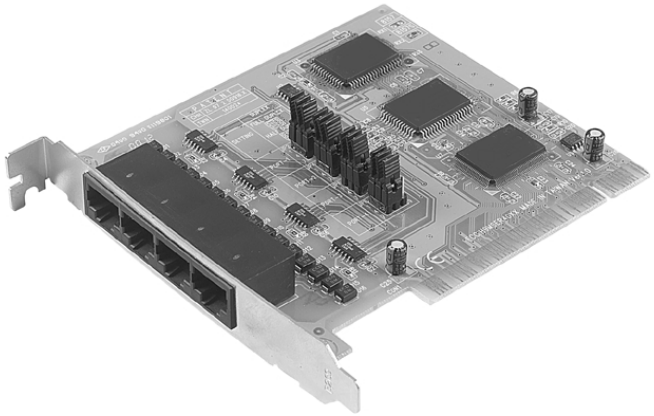
IC-424P
4 Port RS-422/485
PCI Card with Surge
Protection



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Packing List

This package contains:

- 1 IC-424P 4 Port PCI Card
- 4 RJ-45 to 4 DB9 (male) or DB25 (male) or DB25 (female) connector cables
- 1 CDROM Hardware Guide and Software Driver
- 1 User Manual

Overview

The IC-424P is a 4 port RS-422/485 serial PCI card providing 4 RJ-45 connectors to 4 DB25 (male) or DB9 (male) or DB25 (female) connector cables for the attachment of standard serial interface peripheral units. Each port comes equipped with bidirectional surge protection up to 1500V or 600 Watts and carries 32 Bytes of FIFO storage capacity, attaining speeds of up to 960 Kbps. The IC-424P is plug and play enabled and will support Win 3.1, 95, 98, NT, 2000, XP, DOS and Linux operating systems.

Hardware Installation

1. Power off your computer.
2. Plug the card into any available PCI bus slot.
3. Plug the 4 RJ-45 to DB25 or DB9 connector cables into the card's RJ-45 ports.
4. Connect your peripherals (printer, modem, scanner, etc.) to the cable's serial ports.
5. Power on your computer.

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Pin Assignments

Full Duplex (4 Wire)

Pin	DB9	RJ-45
TX+	7	1
TX-	4	2
RX+	5	5
RX-	3	6
Sgnl Gnd	2	3

Half Duplex (2 Wire)

Pin	DB9	RJ-45
TX/RX+	7	1
TX/RX-	4	2
Sgnl Gnd	2	3

Jumper Assignments

	DUPLEX
SETTING	Full Duplex Half Duplex
PORT-1	1 3 4 6 7 9
PORT-2	1 3 4 6 7 9
PORT-3	1 3 4 6 7 9
PORT-4	1 3 4 6 7 9

Technical Specifications

Function	Specification
Compatibility	486/586/Pentium/Pentium II/III
Connectors	4 x RJ-45
Operating System	Win 3.1/95/98/NT/2000/XP, Linux and DOS
PCB	2 Layer / 120 x 105 mm
Chip	1 x Sun 1889, 2 x Sun 1699

Troubleshooting

Problem	Solution
Computer returns an error when booting up	Try a different slot.
	Clean the slot contacts.
	Clean the card contacts.

If these don't remedy the problem, contact your dealer for further assistance.

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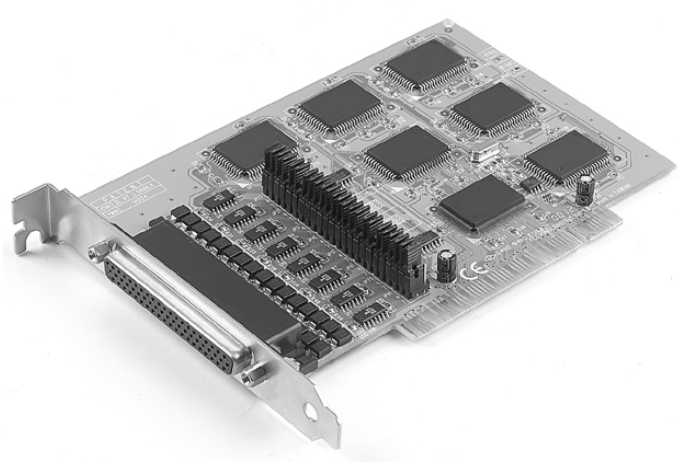
IC-428P
8 Port RS-422/485
PCI Card with Surge Protection



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Packing List

This package contains:

- 1 IC-428P 8 Port PCI Card
- 1 62 pin to 8 DB25 (male) or 8 DB9 (male) connector cable
- 1 CDROM Hardware Guide and Software Driver
- 1 User Manual

Overview

The IC-428P is an 8 port RS-422/485 serial PCI card providing 1 62 pin connector to between 1 and 8 DB25 (male) or DB9 (male) connector cables for the attachment of standard serial interface peripheral units. Each port comes equipped with bidirectional surge protection up to 1500V or 600 Watts and carries 32 Bytes of FIFO storage capacity, attaining speeds of up to 960 Kbps. The IC-428P is plug and play enabled and will support Win 3.1, 95, 98, NT, 2000, XP, DOS and Linux operating systems.

Hardware Installation

1. Power off your computer.
2. Plug the card into any available PCI bus slot.
3. Plug the 62 pin to 8 DB25 or DB9 cable into the card's female connector.
4. Connect your peripherals (printer, modem, scanner, etc.) to the cable's serial ports.
5. Power on your computer.

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Pin Assignments

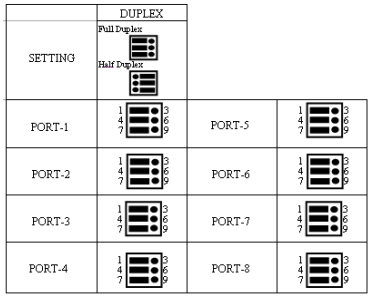
Full Duplex (4 Wire)

Pin	DB9
TX+	3
TX-	2
RX+	7
RX-	8
Sgnl Gnd	5

Half Duplex (2 Wire)

Pin	DB9
TX/RX+	3
TX/RX-	2
Sgnl Gnd	5

Jumper Assignments



Technical Specifications

Function	Specification
Compatibility	486/586/Pentium/Pentium II/III
Connectors	8 x 25 pin male
Operating System	Win 3.1/95/98/NT/2000/XP, Linux and DOS
PCB	2 Layer / 150 x 103 mm
Chip	1 x Sun 1889, 6 x Sun 1699

Troubleshooting

Problem	Solution
Computer returns an error when booting up	Try a different slot.
	Clean the slot contacts.
	Clean the card contacts.

If these don't remedy the problem, contact your dealer for further assistance.

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